DLLI8I8O

Dry Contact Interface
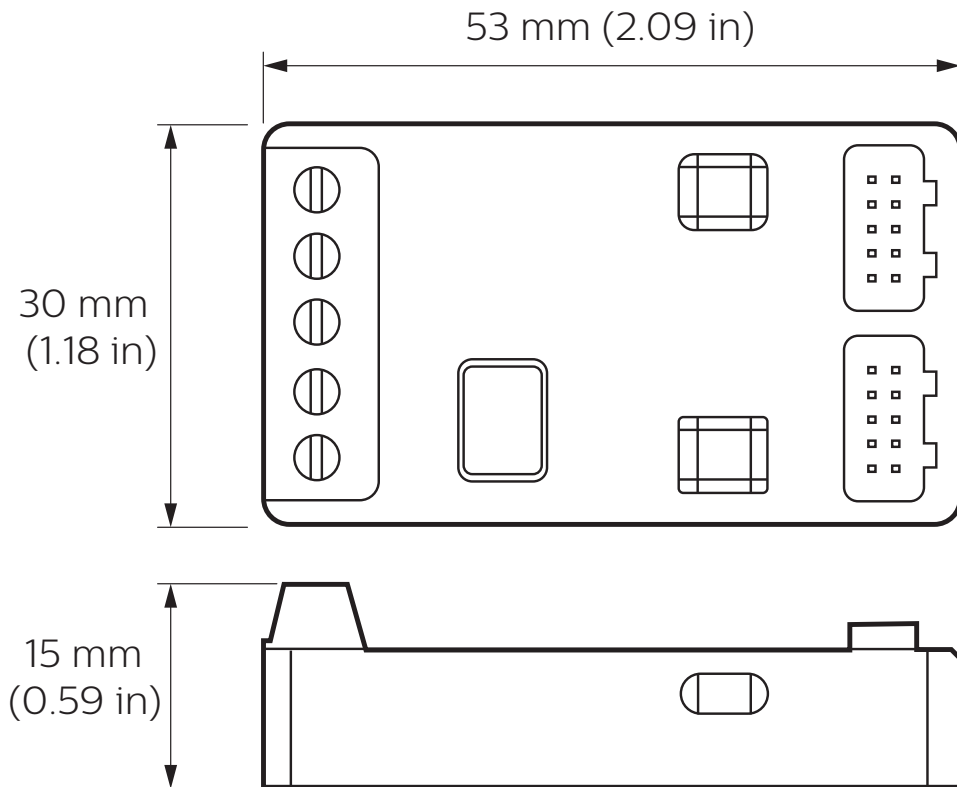
Eight-way dry contact interface

The Philips Dynalite DLLI8I8O is an eight-way dry contact interface with LED indicator outputs, that allows mechanical and electronic switches to communicate directly to the DyNet network.

DLLI8I8O
Eight-way dry contact interface

- **Compact size** – Allows installation in electrical wall boxes for easy integration with third-party user interfaces.

- **Eight dry contact inputs** – Each dry contact trigger is individually programmable for a range of tasks.

- **Eight indicator outputs** – Each output is individually programmable to drive an external LED indicator sharing a common cathode, communicating current system status or settings.

- **Allows up to 20 m cable runs** – Enables convenient connection to dry contact interfaces in multiple rooms.

Dimensions

53 mm (2.09 in)

30 mm (1.18 in)

15 mm (0.59 in)

Specifications

Due to continuous improvements and innovations, specifications may change without notice.

DLLI8I8O
Dry Contact Interface

Electrical

Supply Type	DyNet
Supply Voltage	12-24 VDC
DyNet Supply Current	30 mA
Dry Contact Open Switch Voltage	12 VDC (max)
Dry Contact Closed Switch Current	0.4 mA (max)
LED Output Channels	8
LED Output Channel Current	1.65 mA
IEC Overvoltage Category	III

Control

Communication Ports	1 x RS-485
Supported Protocols	DyNet
Dry Contact Inputs	8
User Inputs	1 x service switch
Diagnostic Functions	Device online/offline status

Physical

Dimensions (H x W x D)	53 x 30 x 15 mm (2.09 x 1.18 x 0.59 in)
Flylead Length	150 mm (5.91 in)
Packed Weight	50 g (0.11 lb)
Construction	Plastic housing
Communication Ports	5 x screw terminal
Communication Terminal Conductor Size	1.5 mm^2 (#16 AWG) (max)

Environment*

Operating Temperature	0° to 40°C ambient (32° to 104°F)
Storage/Transport Temperature	-25° to 70°C ambient (-13° to 158°F)
Relative Humidity	0 to 90% non-condensing
IEC Pollution Degree	II

Compliance

Certification	CE, RCM, UL/cUL, FCC, ICES, UKCA, RoHS

*   For indoor installation only

Electrical

Circuit diagram labels:

12–24 V ⎓
30 mA
DyNet
RS–485

SHLD
GND
D +
D –
+12 V

μP

GND
GND
LED 1
LED 2
LED 3
LED 4
LED 5
LED 6
LED 7
LED 8

1.65 mA

DC 1
DC 2
DC 3
DC 4
DC 5
DC 6
DC 7
DC 8
GND
GND

12 V ⎓
0.4 mA

SELV / CLASS 2

Ordering Code

Product	Philips 12NC
DLLI8I8O (pack of 5)	913703369209